Listing of Claims:

1. (Currently Amended) A mine transportation management system, comprising:

a plurality of individually identifiable self-propelled vehicles each ~~having~~ including a communication section; ~~means and being identifiable;~~

a plurality of individually identifiable vessels each ~~having~~ including a communication section; ~~means and being identifiable;~~

at least one loading machine ~~having~~ which includes a communication ~~means~~ section and ~~loading~~ which loads an object ~~to be loaded~~ into at least one vessel ~~out~~ of said plurality of vessels;

a processing facility; and

a management center ~~having~~ including a communication ~~means,~~ section;

wherein each of said plurality of self-propelled vehicles is connectable to and separable from each of said plurality of vessels; and

wherein said management center selects a vessel to be transported and selects a self-propelled vehicle for transporting said selected vessel ~~from said plurality of self-propelled vehicles and said plurality of vessels~~, based on a transportation

demand signal from said processing facility, and transmits a transportation command signal to said selected self-propelled vehicle, ~~whereby~~ such that said selected self-propelled vehicle connects to said selected vessel and travels to said processing facility.

2. (Currently Amended) The mine transportation management system according to Claim 1, wherein said management center transmits a travel command signal to said selected self-propelled vehicle after said selected self-propelled vehicle discharges the loaded object in the selected vessel to said processing facility, ~~and makes~~ to cause said selected self-propelled vehicle to travel to a designated position and separate said selected vessel therefrom.

3. (Currently Amended) A mine transportation management method, wherein a management center having a communication ~~means~~ section receives: (i) signals from a plurality of individually identifiable self-propelled vehicles, each ~~having~~ of which includes a communication ~~means and being identifiable~~ section, (ii) signals from a plurality of individually identifiable vessels, each ~~having~~ of which includes a communication ~~means, being~~ and is connectable to and separable from each of said

plurality of self-propelled vehicles ~~and being identifiable~~, and

(iii) a signal from at least one loading machine ~~having~~ which includes a communication ~~means~~ section and ~~loading~~ which loads an object ~~to be loaded~~ into at least one vessel ~~out~~ of said plurality of vessels;

~~wherein~~ selecting a vessel to be transported ~~is selected~~ from said plurality of vessels based on a transportation demand signal from a processing facility to which the loaded object is to be discharged;

~~wherein~~ selecting a self-propelled vehicle for transporting said selected vessel ~~is selected~~ from said plurality of self-propelled vehicles; and

~~wherein~~ transmitting a transportation command signal from said management center to said selected self-propelled vehicle to cause said selected self-propelled vehicle ~~connects~~ to connect to said selected vessel and ~~travels~~ to travel to said processing facility. ~~by a transportation command signal being transmitted to said selected self-propelled vehicle from said management center.~~